



Xi'an Biof Bio-technology Co.,Ltd

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Product Name	D-panthenol	Manu Date	2024.1.28
Batch No.	BF20240128	Certificate Date	2024.1.29
Batch Quantity	100kgs	Valid Date	2026.1.27
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result
Appearance	Colorless Viscous Liquid	Conform
Assay	>98.5	99.4%
Refractive Index	1.495-1.582	1.498
Specific optical Rotation	29.8-31.5	30.8
Water	<1.0	0.1
Aminmopropanol	<1.0	0.2
Residue	<0.1	<0.1
Odor	Characteristic	Conform
Taste	Characteristic	Conform
Heavy Metals		
Heavy Metal	<10.0ppm	Complies
Pb	<2.0ppm	Complies
As	<2.0ppm	Complies
Hg	<2.0ppm	Complies
Cd	<2.0ppm	Complies
Microbiology		
Total Plate Count	<10000cfu/g	Conform
Total Yeast & Mold	<1000cfu/g	Conform
E. Coli	Negative	Negative
Salmonella	Negative	Negative

Conclusion: Complies with specification

Chief of QC. : Li Yu Analyst: Xu Ping Approved by: Wang Yang

